The Legends School of Education

(In search of excellence)

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Summer Assignment ------2025 **Class: 8th**

Subject: Science

1. Answer the following questions after thorough study of the chapters:
    - **a.** Define Conductors and Semi conductors.
    - b. Do liquids conduct electricity? How?
    - c. Atom is electrically neutral. Explain.
    - d. What is the chemical effect of electric current?
    - e. What is an Electrolytic Cell? Explain its parts.
2. Fill in the blanks with correct words:
    - a. Conductors that carry current into and out of the electrolyte______
    - b. Conducting liquids are also known as_____
    - c. The electron is electrically______
    - d. When an atom loses an electron the atom becomes electrically______
    - e. Liquids conduct electricity in the form of____
3. State whether the following statements are true or false:
    - a. Semiconductors do not conduct electricity.
    - b. Electroplating is possible only when current is passed.
    - c. Oxygen gas is produced at cathode during electrolysis of acidified water.
    - d. Electrolysis of molten sodium chloride produces hydrogen gas at cathode.
    - e. The current leaves from an electrolytic cell through anode.
4. Answer the following questions after thorough study of the chapters:
    - **a.** Define Reproduction and its importance.
    - **b.** Explain types of Asexual Reproduction.
    - **c.** Define fertilization and its types.

d. Explain IVF and its import

5. Fill in the blanks with correct words:
   a. Fertilization takes place in _____
   b. Zygote is fertilized____
   c. The real reproductive organ of male is _____
   d. Clone is ____copy of parent.
   e. Binary fission starts with the division of ____
6. State whether the following statements are true or false:
   a. A healthy woman who bears children naturally is called sterile.
   b. Implantation is the process when zygote clings to the uterus.
   c. Zygote is a single cell.
   d. Foetus is a multicellular with body parts identified.
   e. Dolly died on 10th February 2003.

Note: Subtopics for Self Study:

- **b. Electroplating and its applications**
- **c. Electrolysis of acidified water and its mechanism**